

Pokemon Rank Classifier

ECS 171 Machine Learning

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Github Repository:

<https://github.com/AlexanderDsouza/ECS171GroupProject>

Chapter 1

Introduction and background

In this project we found

Chapter 2

Literature Review

Chapter 3

Dataset Description

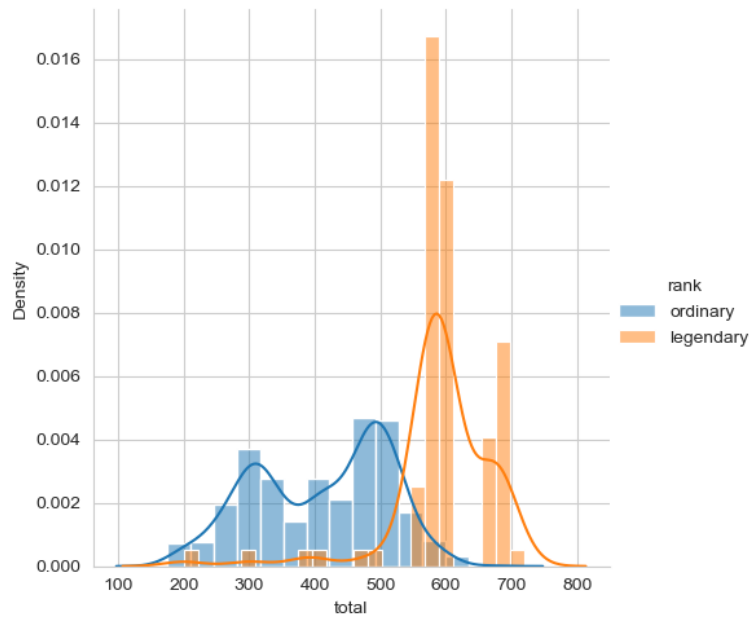


Figure 3.1: Histogram of the Dataset

This section provides a description of the dataset used in our study. To illustrate the characteristics of the dataset, we include a histogram plot shown in Figure 3.1. As you can see at around 550 in total stats, legendary Pokemon and ordinary Pokemon make a distinct split. When we saw this, we decided that a linear SVM model would be perfect for our dataset as

you can clearly draw a line right in between that mark and it could split the classes pretty accurately.

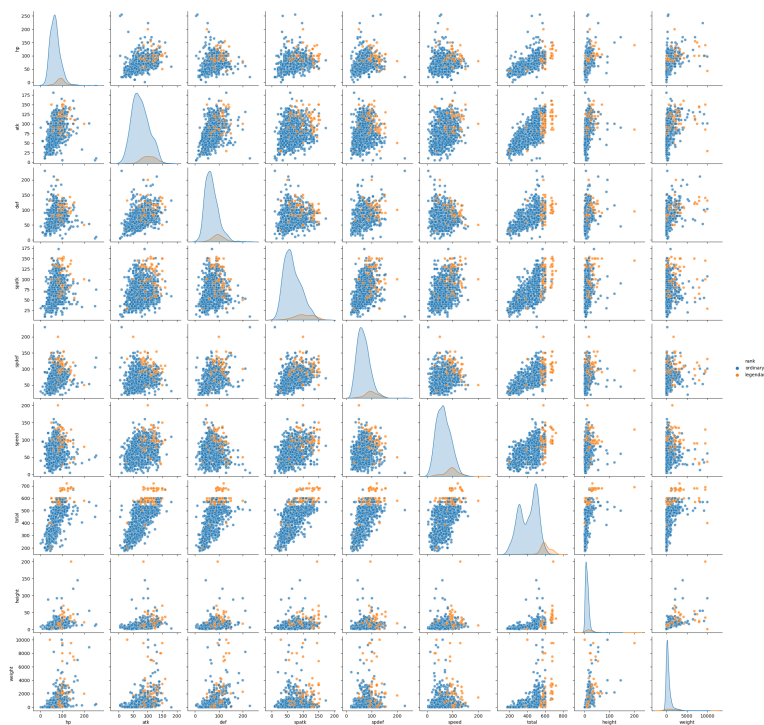


Figure 3.2: Pair Plot of the Dataset

In the pairplot we can also see that in the total pairplots, we can easily cut the classes and group them with a line. This also led us to believe SVM would be extremely good.

Chapter 4

Proposed Methodology

Chapter 5

Experimental Results

Chapter 6

Conclusion and Discussion

Chapter 7

References